# PlateSpin Recon

*Server consolidation and disaster recovery analysis and planning*

Successful disaster recovery and server consolidation initiatives require considerable up-front planning to ensure maximum return on investment (ROI). PlateSpin® Recon is a sophisticated analysis and planning product that provides new levels of intelligence, visual analysis and forecasting for optimizing your initiatives and achieving your goals.

## PlateSpin Recon: A Clear, Concise Picture of Your Data Center

With broad, multiplatform support, PlateSpin Recon collects inventory and workload utilization statistics for a clear and concise picture of the inventory information you have, including all the servers, CPUs, RAM, virtual hosts and virtual machines running in your data center. Not only that, but you also get information about how and when these resources are used so you can have a comprehensive view of everything in your environment.

The unique workload profiling in PlateSpin Recon tracks actual CPU, disk, memory and network utilization over time for physical servers, virtual hosts and virtual machines. Every server workload and virtual host has utilization peaks and valleys, and PlateSpin Recon can build scenarios based on interlocking these peaks and valleys. Compared to other approaches that use only a single snapshot or record only peak usage, this capability minimizes resource contention and enables higher virtualization densities for both server consolidations and disaster recovery environments. Higher consolidation ratios mean more efficient use and longer life for your current hardware, and fewer new servers that you need to buy in the future.

## Server Consolidation Planning

Previously, data center managers had to rely on their best guesses to identify underutilized physical servers and virtual hosts, and allocate sufficient resources for current and future needs. But thanks to the workload resource utilization monitoring and profiling in PlateSpin Recon, they can now get detailed information on CPU, disk, RAM and network bandwidth utilization. And you don't just get peak-time utilization reports or a snapshot reports of a certain point in time, but you get an accurate portrayal of utilization over time. PlateSpin Recon goes beyond simply listing which physical servers are good virtualization candidates; it determines and recommends where they should be allocated across virtual hosts to ensure minimal resource contention and maximum performance.

## Disaster Recovery Planning

Historically, one of the biggest challenges with disaster recovery (DR) planning has been forecasting the rate of data change on production workloads. Knowing the size of a workload is critical to DR planning, but that's only part of the story. A one-terabyte workload in which only a few megabytes change daily is very different from a one-terabyte workload in which 500GB or more are refreshed every day. PlateSpin Recon monitors not only the storage footprint of monitored workloads, but also the rate of change of their data. By understanding how much of the data changes, as well as how much storage is used, PlateSpin Recon delivers unprecedented insight into how to best achieve recovery point objectives (RPO), while minimizing the potential for resource contention between workloads in the same recovery environment.

**SOLUTION**
Workload Management
Disaster Recovery

**PRODUCT**
PlateSpin® Recon

*PlateSpin Recon takes the guesswork out of complex disaster recovery and server consolidation planning initiatives, accurately profiling resource utilization to give you the data you need to efficiently meet your recovery point objectives and consolidation targets.*

NetIQ®

## Increase Visibility across Multiplatform Environments

With broad support for Windows, Linux and UNIX platforms and scalability to accommodate even the world's largest data centers, PlateSpin Recon provides true enterprise-scale workload analysis and planning.

## Tight Integration with PlateSpin Migrate

Planning and analysis are an essential start to any successful data center initiative, but once the plan is complete, it is time to execute. PlateSpin Recon can export server migration and consolidation plans and scenarios directly into PlateSpin Migrate, the multi-platform anywhere-to-anywhere migration product from NetIQ.

## Key Features

**Remote Data Collection:** Remotely collect inventory and performance data with no need to physically touch servers. All data remains on-site, with no need to send sensitive information outside firewalls to a third party. PlateSpin Recon features a run-once inventory collector, which gathers comprehensive server inventory data,

while it collects performance data regularly via standard OS instrumentation capabilities or imports utilization data directly from existing monitoring tools.

**Enterprise-Level Scalability:** Get robust data collection, analysis and planning for all servers in your network to help with your large-scale data center consolidation projects. You can aggregate data from geographically dispersed PlateSpin Recon data collectors for centralized data warehousing, analysis and planning, or to accommodate larger implementations.

**Scenario Planning:** Automatically generate server consolidation plans based on detailed workload analysis to ensure the optimal fit between server workloads and virtual resources. Stagger multiple workloads evenly across virtual hosts and account for the hourly peaks and valleys inherent in server utilization trends. The ability to use forecasted data ensures you build plans to accommodate future growth. PlateSpin Recon can even create multiple custom scenarios with user-defined target-server specifications.

**Workload and Utilization Forecasting:** Predict future workloads and resource utilization based on historical trends to better plan for server consolidation and infrastructure growth, and

enable more proactive systems management. PlateSpin Recon presents forecasting data on CPU, disk, memory and utilization trends in easy-to-read charts, reports and plans.

**Resource Reclamation:** Identify gaps between allocation and actual utilization with PlateSpin Recon resource reclamation reports. Minimizing these gaps maximizes the virtual resource capacity of the existing infrastructure, extending useful service life and postponing new hardware purchases.

**Power and Cooling Analysis:** Compare and contrast potential power and cooling cost savings and ROI derived from different consolidation scenarios. Custom fields allow you to input and maintain power and cooling requirements for new hardware platforms in a central database, enabling you to analyze and cost-justify green computing initiatives.

To learn more about NetIQ PlateSpin Recon, or to start a trial, go to **https://www.netiq.com/products/recon/**

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